INTERNATIONAL SEARCH REPORT

International application No.
PCT/JP03/08170

-1	<u>.</u>		PCT/JP	03/08170
A. CLASS Int.	IFICATION SUBJECT MATTER C1 ⁷ F16L37/23		C	OPY
According to	o International Patent Classification (IPC) or to both nat	tional classification and	IPC	
B. FIELD	SEARCHED			·
Minimum de Int.	ocumentation searched (classification system followed b	y classification symbol	s)	
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Jitsı Kokai	ion searched other than minimum documentation to the tyo Shinan Koho 1926–1996 Jitsuyo Shinan Koho 1971–2003	Toroku Jitsuyo Jitsuyo Shinan	Shinan Koho Toroku Koho	o 1994–2003 o 1996–2003
Electronic d	ata base consulted during the international search (name	e of data base and, when	re practicable, sea	rch terms used)
C. DOCU	MENTS CONSIDERED TO BE RELEVANT			7 1 1 N
Category*	Citation of document, with indication, where app		nt passages	Relevant to claim No.
Y . A	US 6089539 A (NITTO KOHKI CO 18 July, 2000 (18.07.00), & JP 11-108279 A Column 5, line 12 to column 6		Nump 8.	1,2 3-6
	lines 2 to 15	, IIIIC 20, CC	orunar o,	
Y A	JP 8-170779 A (Kazuo YANO), 02 July, 1996 (02.07.96), Column 5, line 15 to column 6 (Family: none)	, line 9		1,2 3-6
Y A	JP 8-82395 A (Kazuo YANO), 26 March, 1996 (26.03.96), Column 8, line 5 to column 9, (Family: none)	line 26		1,2 3-6
× Furth	er documents are listed in the continuation of Box C.	See patent famil	ly annex.	
"A" docum conside "E" earlier date "L" docum cited to special docum means docum than th	categories of cited documents: ent defining the general state of the art which is not red to be of particular relevance document but published on or after the international filing ent which may throw doubts on priority claim(s) or which is establish the publication date of another citation or other reason (as specified) ent referring to an oral disclosure, use, exhibition or other ent published prior to the international filing date but later e priority date claimed actual completion of the international search	priority date and nunderstand the pri document of particonsidered novel of step when the document of particonsidered to invocombined with on- combination being	not in conflict with the neiple or theory und cular relevance; the or cannot be conside ument is taken alone cular relevance; the olve an inventive stelle or more other such a obvious to a persor of the same patent	claimed invention cannot be when the document is documents, such a skilled in the art family
	eptember, 2003 (03.09.03)			(16.09.03)
	nailing address of the ISA/	Authorized officer	DECT	NAU ADIE

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PCT/JP03/08170

C (Continuation). DOC ENTS CONSIDERED TO BE RELEVANT				
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.		
A .	JP 10-38170 A (NITTO KOHKI CO., LTD.), 13 February, 1998 (13.02.98), Column 4, line 44 to column 5, line 37 (Family: none)	1-6		
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